Index of Claims

| Application No. | Applicant(s)        |  |
|-----------------|---------------------|--|
| 09/903,522      | THACKSTON, JAMES D. |  |
| Examiner        | Art Unit            |  |
| Russell Frejd   | 2128                |  |

✓ Rejected= Allowed

- (Through numeral)
Cancelled

+ Restricted

N Non-Elected
I Interference

A Appeal
O Objected

| Cla            | im       | Date                           |              |                                |                  |          |          |                 |                 | ] | Cla          | im    | m Date   |          |           |                                                  |          | <u> </u> |                                        | Cla      | aim         | Date  |            |          |          |              |                                                  |                 |          |          |           |
|----------------|----------|--------------------------------|--------------|--------------------------------|------------------|----------|----------|-----------------|-----------------|---|--------------|-------|----------|----------|-----------|--------------------------------------------------|----------|----------|----------------------------------------|----------|-------------|-------|------------|----------|----------|--------------|--------------------------------------------------|-----------------|----------|----------|-----------|
| -              | Jaf      | 2705                           |              |                                |                  |          |          |                 |                 |   |              | _     | le l     |          |           |                                                  |          |          |                                        |          |             | _     | Jai        |          |          |              |                                                  |                 |          |          |           |
| Final          | Original | 7                              | +            |                                |                  |          |          |                 |                 |   |              | Final | Original |          |           |                                                  |          |          |                                        | :        |             | Final | Original   |          |          |              |                                                  |                 | İ        |          |           |
| -              | 0        | ps                             |              |                                |                  |          |          |                 |                 |   |              | _     | 0        |          |           |                                                  |          |          |                                        |          |             |       | 0          |          |          |              |                                                  |                 |          |          |           |
|                | 1        |                                |              |                                |                  |          |          |                 |                 |   |              |       | 51       |          | <u> </u>  |                                                  |          |          |                                        | $\Box$   |             |       | 101        |          |          | Ţ            |                                                  |                 | $\Box$   | $\Box$   |           |
|                | 2        | _                              | ļ            | L                              | _                |          |          |                 |                 |   |              |       | 52       | $\perp$  | ╄-        | —                                                | $\dashv$ | _        | 1 1                                    | 4        |             |       | 102        | 4        | -        | 1            | <u> </u>                                         |                 |          | 4        | _         |
| <u> </u>       | 3        |                                | ╁            | H                              | -                | H        | <u> </u> | -               | -               |   |              |       | 53<br>54 | +        | ╁         |                                                  | -        | +        | +                                      | $\dashv$ |             |       | 103<br>104 | -+       | +        | ╁╌           | ⊢                                                | $\vdash$        | -        | $\dashv$ | _         |
| <u> </u>       | 5        | -                              | -            | H                              | $\vdash$         |          | <u> </u> |                 |                 |   |              |       | 55       | +        | +         | +                                                |          | +        | +                                      | $\dashv$ | 1           |       | 105        | $\dashv$ | +        | +            | H                                                | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  |
| $\vdash$       | 6        | -                              | <del> </del> | -                              | $\vdash$         | $\vdash$ | $\vdash$ | <u> </u>        | $\vdash$        | _ |              |       | 56       | +        | +         | H                                                | $\dashv$ | +        | ++                                     | ᅱ        | 1           |       | 106        | $\dashv$ | +        | +            | <del>                                     </del> | Н               | _        | $\dashv$ | ᅱ         |
|                | 7        | -                              |              | T                              | T                | П        | $\vdash$ |                 |                 |   |              |       | 57       | 十        | 1         | $\vdash$                                         | T        | $\top$   | 1 1                                    | $\neg$   |             |       | 107        |          | _        | †            |                                                  |                 | Ť        | 寸        | ヿ         |
|                | 8        | İ                              |              |                                |                  |          |          |                 |                 |   |              |       | 58       |          |           |                                                  |          |          |                                        |          |             |       | 108        |          |          |              |                                                  |                 |          |          |           |
|                | 9        |                                |              |                                |                  |          |          |                 |                 |   |              |       | 59       |          |           |                                                  | $\Box$   |          |                                        | $\Box$   |             |       | 109        |          |          |              |                                                  |                 |          | $\Box$   | $\Box$    |
|                | 10       |                                | <u> </u>     | L                              | <u> </u>         |          | <u> </u> |                 |                 |   | ,            |       | 60       |          | 1         | Ш                                                |          |          | $\perp \perp$                          | _        |             |       | 110        | _        |          | 4            | <u> </u>                                         |                 |          | 4        | _         |
|                | 11       | _                              | $\vdash$     | <u> </u>                       | ـــ              | -        | <u> </u> | _               | <b> </b>        | _ |              |       | 61       |          | +         | $\vdash$                                         | $\dashv$ | 4-       | ++                                     | _        | -           |       | 111        | -        |          | -            | -                                                |                 | $\dashv$ | $\dashv$ | $\dashv$  |
|                | 12<br>13 | -                              | $\vdash$     | -                              | <del> </del>     | -        | ├-       | H               | -               |   |              |       | 62<br>63 | -        | +         | $\vdash$                                         | -        | +-       | +                                      | -1       | - }         |       | 112<br>113 | $\dashv$ | - -      | +            | <del> </del>                                     | $\vdash \vdash$ | +        | $\dashv$ | $\dashv$  |
|                | 14       | -                              | ├            | $\vdash$                       | $\vdash$         | $\vdash$ | $\vdash$ |                 |                 |   |              |       | 64       | +        | +         |                                                  | $\vdash$ | +        | +                                      | $\dashv$ | 1           |       | 114        | $\dashv$ | +        | +            | +                                                |                 | $\dashv$ | $\dashv$ | $\dashv$  |
|                | 15       | $\vdash$                       | $\vdash$     | $\vdash$                       | $\vdash$         |          | $\vdash$ |                 |                 | _ |              |       | 65       | $\dashv$ | +         | $\vdash$                                         | $\dashv$ | +        | +                                      | ۲        | ी           |       | 115        | $\dashv$ |          | +            | $\vdash$                                         | Н               | $\dashv$ | $\dashv$ | ㅓ         |
|                | 16       | Г                              | 1            | $\vdash$                       | T                | $\vdash$ | T        |                 |                 |   |              |       | 66       | $\top$   | +         | T                                                | -+       | $\top$   | 11                                     | -        | 1           |       | 116        | 十        | _        | $\top$       | T                                                | $\square$       | $\dashv$ | $\dashv$ | $\exists$ |
|                | 17       |                                |              |                                |                  |          |          |                 |                 |   |              |       | 67       |          |           |                                                  | $\Box$   |          |                                        |          |             |       | 117        |          |          |              |                                                  |                 |          | ゴ        |           |
|                | 18       |                                |              |                                |                  |          |          |                 |                 |   |              |       | 68       |          |           |                                                  |          |          |                                        |          |             |       | 118        |          |          |              |                                                  |                 |          |          |           |
|                | 19       | Ξ                              |              | <u> </u>                       |                  |          |          |                 |                 |   |              |       | 69       |          | 1         | Ш                                                |          | _        |                                        |          |             |       | 119        |          | $\bot$   |              |                                                  |                 |          |          | Ц         |
| 2              | 20       | 1                              | _            | _                              | ┡                | <u> </u> |          |                 | Ш               |   |              |       | 70       | _        | ╄         |                                                  | $\perp$  | $\bot$   | $\sqcup$                               | ᆀ.       |             |       | 120        | _        | _        | $\bot$       | _                                                | Ш               | _        | 4        | _         |
| 3              | 21<br>22 | H                              | -            | ├-                             | -                |          | _        | Н               | Н               |   |              |       | 71<br>72 | -        | +         | 1                                                | $\dashv$ | +        | +                                      | _        | -           |       | 121<br>122 | $\dashv$ | +        | +            | -                                                | Н               | $\dashv$ | $\dashv$ | $\dashv$  |
| 5              | 23       | H                              | ⊢            | ⊢                              | ├                | H        | -        | Н               | -               |   |              |       | 73       | -        | +         | $\vdash$                                         | +        | +        | +                                      |          |             |       | 123        | +        |          | +            | ┢                                                | Н               | $\dashv$ | $\dashv$ | $\dashv$  |
| Y              | 24       | H                              | ┢            | ┢                              | H                |          |          | H               |                 |   |              |       | 74       | _        | +         | ├                                                |          | +        | + +                                    | ┥,       |             |       | 124        | +        |          | ╁            | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  |
| 7              | 25       | Ħ                              |              |                                |                  |          |          | Н               | Н               |   |              |       | 75       | $\top$   | 1         |                                                  | 7        | _        | 1 1                                    |          | :: 1        |       | 125        | 7        |          | T            |                                                  | H               | 1        | 寸        | $\dashv$  |
| 789            | 26       | Ħ                              |              | _                              |                  |          |          | П               |                 |   |              |       | 76       |          | 1         | <del>                                     </del> | $\neg$   |          | $\Box$                                 | _        |             |       | 126        | _        | _        |              |                                                  | П               |          | $\dashv$ | ᅱ         |
| 9              | 27       |                                |              |                                |                  |          |          |                 |                 |   |              |       | 77       |          |           |                                                  |          |          |                                        |          |             |       | 127        |          |          |              |                                                  |                 |          | $\Box$   |           |
| 10             | 28       | Ц                              |              |                                | <u> </u>         |          |          |                 |                 |   |              |       | 78       |          |           |                                                  |          |          | $\Box$                                 | $\Box$   |             |       | 128        |          |          | <u> </u>     |                                                  |                 |          |          |           |
| بيد            | 29       | Н                              | _            | _                              |                  |          | L        | Щ               | _               |   | .            |       | 79       | _        | ╄         |                                                  | $\perp$  | _        | $\perp$                                | 4        |             |       | 129        | 4        | _        | ╄            |                                                  | Ш               | $\dashv$ | _        | ᅴ         |
| 13             | 30       | H                              | ⊢            | _                              |                  | Ш        |          | Н               | Н               |   |              |       | 80       | _        | +         | -                                                | -+       | +        | +                                      | -4:      |             |       | 130        | 4        | -        | <del> </del> | <u> </u>                                         | Н               | $\dashv$ | $\dashv$ | ᅴ         |
| 14             | 31<br>32 | Н                              | -            | -                              | $\vdash$         | -        | $\vdash$ | $\vdash$        | H               |   |              |       | 81<br>82 |          | +         | $\vdash$                                         | -        |          | +                                      | $\dashv$ | : -}        |       | 131<br>132 | +        | +        | ╁            | ╁                                                | $\vdash$        | -        | -+       | $\dashv$  |
| 14             | 33       | ╫                              | -            | -                              | ┢╌               | _        | $\vdash$ | Н               | Н               | _ | 4            |       | 83       | +        | +         | -                                                | $\dashv$ | +-       | $\vdash$                               | :        |             |       | 133        | $\dashv$ | +        | +            | <del> </del>                                     | $\vdash$        | $\dashv$ | $\dashv$ | ㅓ         |
| 15             | 34       | $\parallel \uparrow \parallel$ |              | $\vdash$                       |                  | $\vdash$ |          | Н               | Н               |   |              |       | 84       |          | $\dagger$ |                                                  | $\dashv$ | +        |                                        | -        | -           |       | 134        | $\dashv$ | _        | +            | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | ㅓ         |
| 17             | 35       | Ⅱ                              |              |                                |                  |          |          |                 |                 |   |              |       | 85       |          | I         |                                                  |          |          |                                        |          |             |       | 135        |          |          | I            |                                                  |                 |          |          | ヿ         |
| 18             | 36       | Ц                              |              |                                |                  |          |          |                 |                 |   |              |       | 86       |          |           |                                                  |          |          |                                        |          |             |       | 136        |          |          |              |                                                  |                 |          | $\Box$   |           |
| 19             | 37       | Щ                              |              | $oxedsymbol{oxedsymbol{oxed}}$ | $ldsymbol{oxed}$ |          |          | Ш               | Ш               |   |              |       | 87       |          | $\bot$    | $\Box$                                           | $\bot$   |          | $\downarrow \downarrow$                | _]·      |             |       | 137        | $\Box$   | 匚        | $\perp$      | $\Box$                                           |                 | $\Box$   | I        | $\Box$    |
| 20             | 38       | $\coprod$                      | <u> </u>     | <u> </u>                       | $\vdash$         | Ш        | Щ        | Ш               | Ш               |   |              |       | 88       |          | 4         | $\sqcup$                                         | $\dashv$ | _        | 11                                     | _        |             |       | 138        | $\dashv$ |          | 1            | <u> </u>                                         |                 | _        | 4        | ᅬ         |
| 21             | 39       | #                              | $\vdash$     | _                              | $\vdash$         | Н        | $\vdash$ | Н               | $\vdash$        |   |              |       | 89       |          | +-        | $\vdash$                                         | $\dashv$ | -        | #                                      | <u> </u> | <u>.</u>  - |       | 139        | $\dashv$ | +        | ╁            | $\vdash$                                         | Н               | $\dashv$ | 4        |           |
| 22<br>23       | 40<br>41 | ╫                              | -            | $\vdash$                       | $\vdash$         | $\vdash$ | $\vdash$ | $\vdash \vdash$ | $\vdash \vdash$ | _ | 1.1          |       | 90<br>91 |          | +         | $\vdash$                                         | +        | +        | ₩                                      | $\dashv$ | #           |       | 140<br>141 | $\dashv$ |          | +            | ⊢                                                | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$  |
| 24             | 42       | H                              | -            | -                              | $\vdash$         | H        | $\vdash$ | $\vdash$        | $\vdash$        |   |              |       | 92       | $\dashv$ | +         | $\vdash$                                         | $\dashv$ | +        | ++                                     | $\dashv$ |             |       | 142        | +        |          | +            | $\vdash$                                         | $\vdash$        | $\dashv$ | $\dashv$ | ᅱ         |
| <u>z5</u>      | 43       | $\dag \dag$                    |              |                                | $\vdash$         | $\vdash$ | $\vdash$ | H               | $\vdash$        |   |              | -     | 93       | $\dashv$ | +         | $\vdash$                                         | $\dashv$ | +-       | ++                                     | :        | ा           |       | 143        | $\dashv$ | $\dashv$ | +            | H                                                | $\vdash$        | $\dashv$ | $\dashv$ | ㅓ         |
| 24             | 44       | $\dagger \dagger$              | Т            | Т                              | П                |          | П        | П               |                 |   |              |       | 94       | $\dashv$ | T         | П                                                | +        | $\top$   | 1 1                                    | 1        |             |       | 144        | $\dashv$ | $\top$   | 1-           |                                                  | 1               | $\dashv$ | 7        | ᅥ         |
| 24             | 45       |                                |              |                                |                  |          |          |                 |                 |   |              |       | 95       |          | L         |                                                  |          |          |                                        |          | -           |       | 145        |          | 丁        | T            |                                                  |                 |          | 丁        | J         |
| 28             | 46       | Ц                              |              |                                |                  |          |          |                 |                 |   |              |       | 96       |          | L         |                                                  | $\Box$   | 1        | $\square$                              | $\Box$   |             |       | 146        |          |          |              |                                                  |                 | $\Box$   | $\Box$   |           |
| z8<br>29<br>30 | 47       | Щ                              | <u> </u>     | <u> </u>                       | Ш                |          |          | Ш               | $\sqcup$        |   |              | ]     | 97       |          | $\perp$   | $\sqcup$                                         | _        | 4        | $\sqcup$                               | _        |             | ]     | 147        | _        |          | 1            | L                                                | Щ               | _        | _[       | _         |
| 30             | 48       | 닏                              | $\vdash$     | <u> </u>                       | Н                | Щ        |          | Н               | Ш               |   | -            |       | 98       | $\dashv$ | $\bot$    | Ш                                                | $\dashv$ | +        | $\vdash$                               | _        |             |       | 148        | $\dashv$ | +        | _            | $\vdash$                                         | Ш               | $\dashv$ | _        | _         |
| 31             | 49<br>50 | Ξ                              | $\vdash$     | <u> </u>                       | $\vdash$         | Ш        | Щ        | $\vdash \vdash$ | $\vdash \vdash$ |   |              |       | 99       | +        | +         | $\vdash$                                         | -        |          | ++                                     | $\dashv$ | -           |       | 149        | $\dashv$ | +        | +            | -                                                | $\vdash \mid$   | $\dashv$ | $\dashv$ | 4         |
| لـــــا        | 50       | L                              |              |                                | Щ                | ш        | لـــا    | اــــا          | لـــا           |   | l.: <b>.</b> | 1     | 100      |          |           |                                                  |          |          | .اــــــــــــــــــــــــــــــــــــ |          | L           |       | 150        |          |          |              | 1                                                |                 |          | $\perp$  |           |